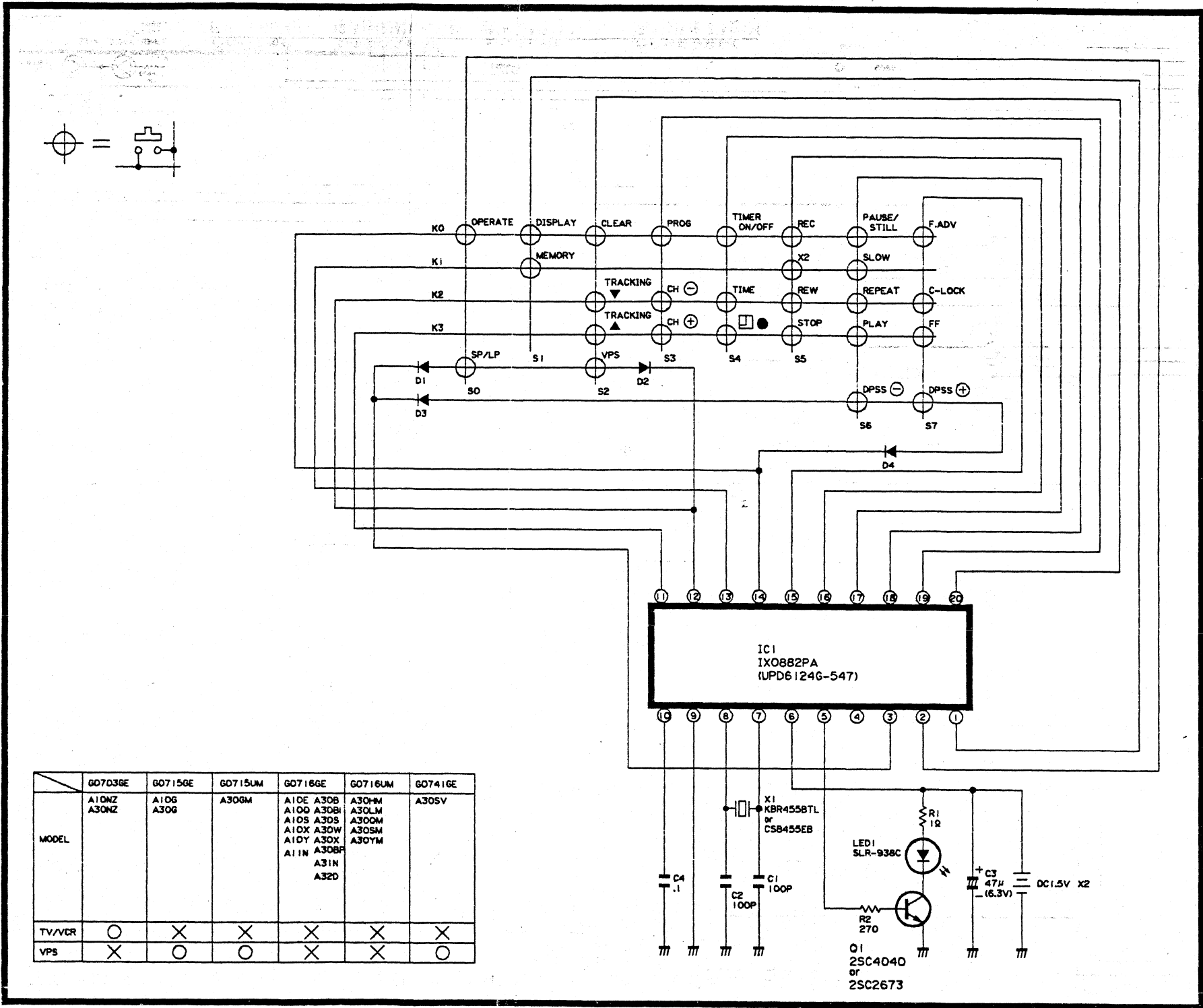
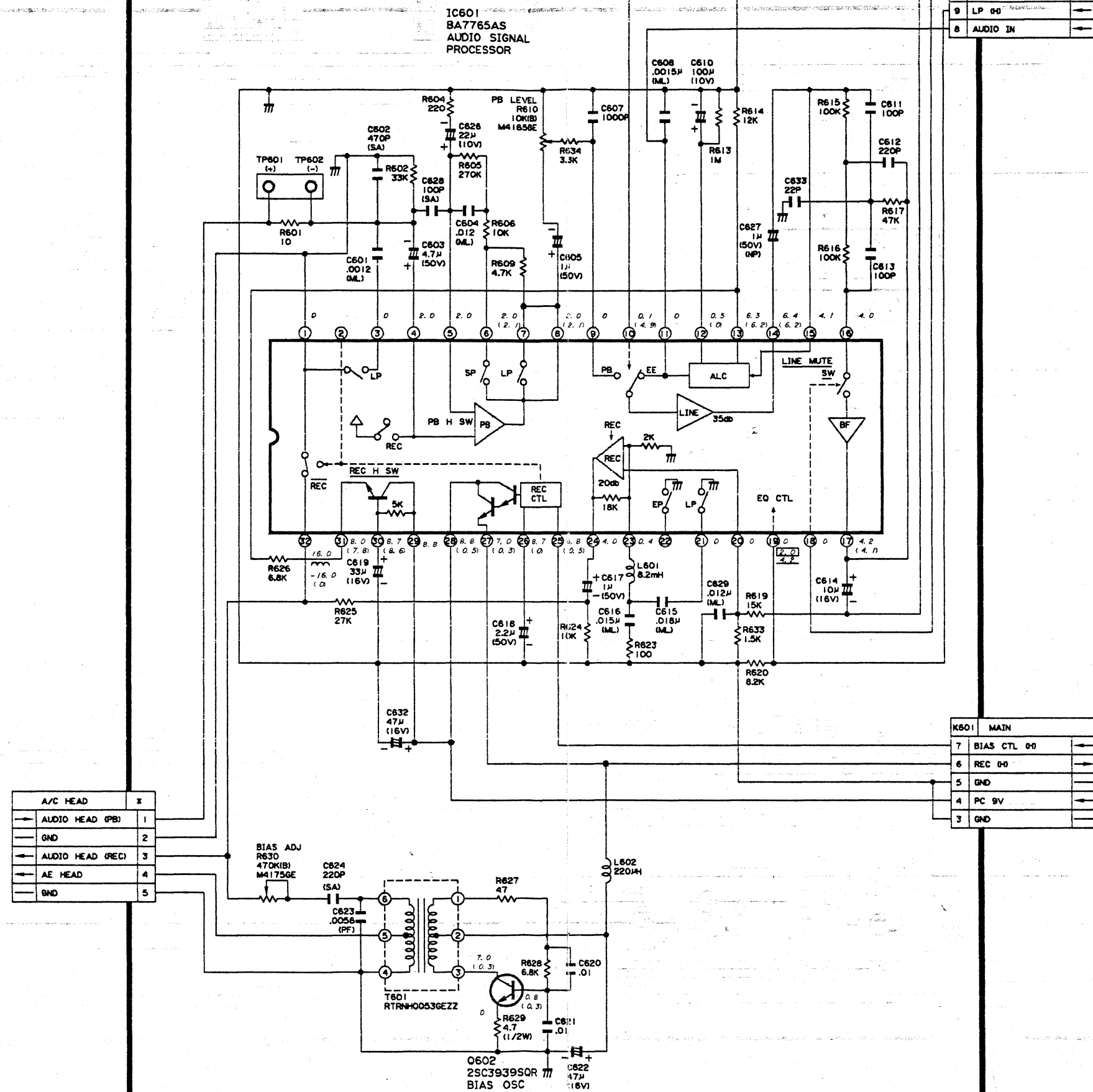


SHARP
VC-A30BP
SERVICE MANUAL

VIDEO CASSETTE RECORDER

INFRARED REMOTE CONTROL



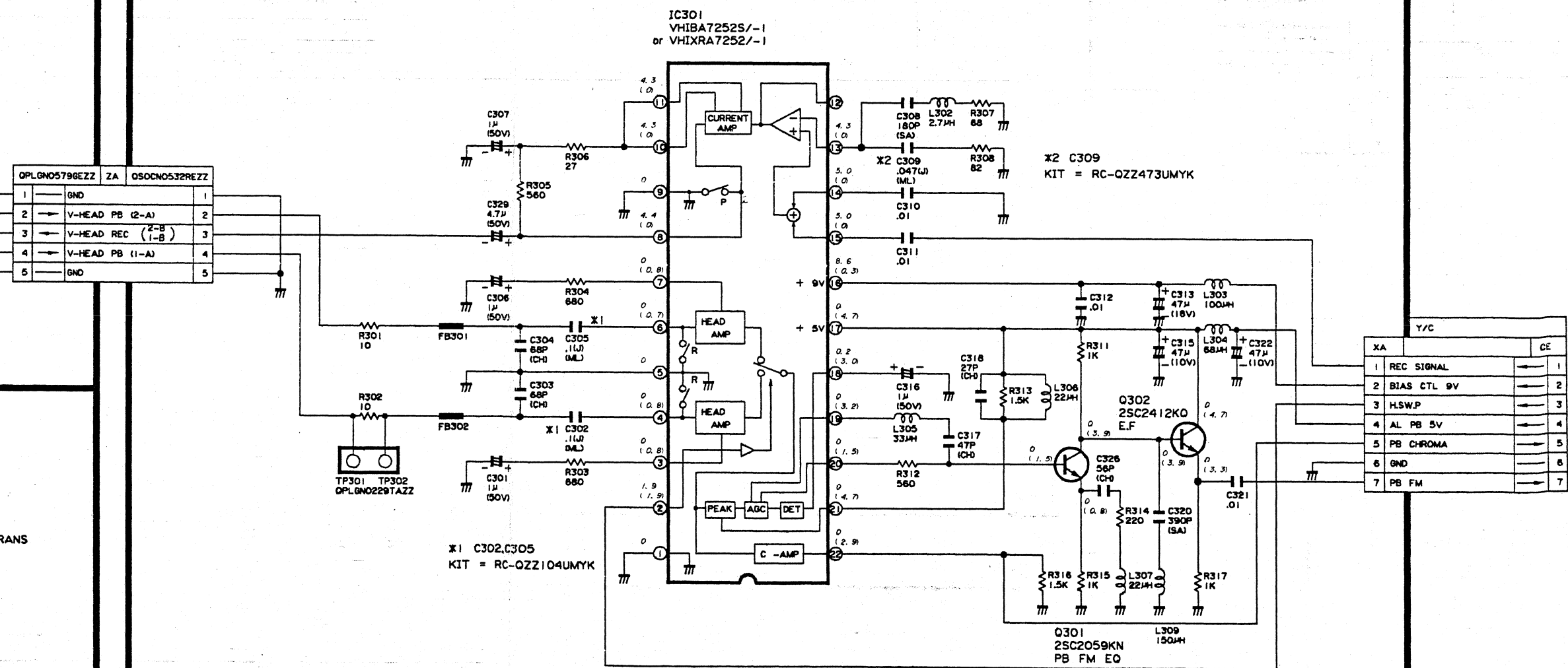


V-BASE PWB
(FO059GE)

The diagram illustrates the electrical connections for the V-BASE PWB (FO059GE). A legend on the right identifies the connections for the QPLGND05796EZZ connector:

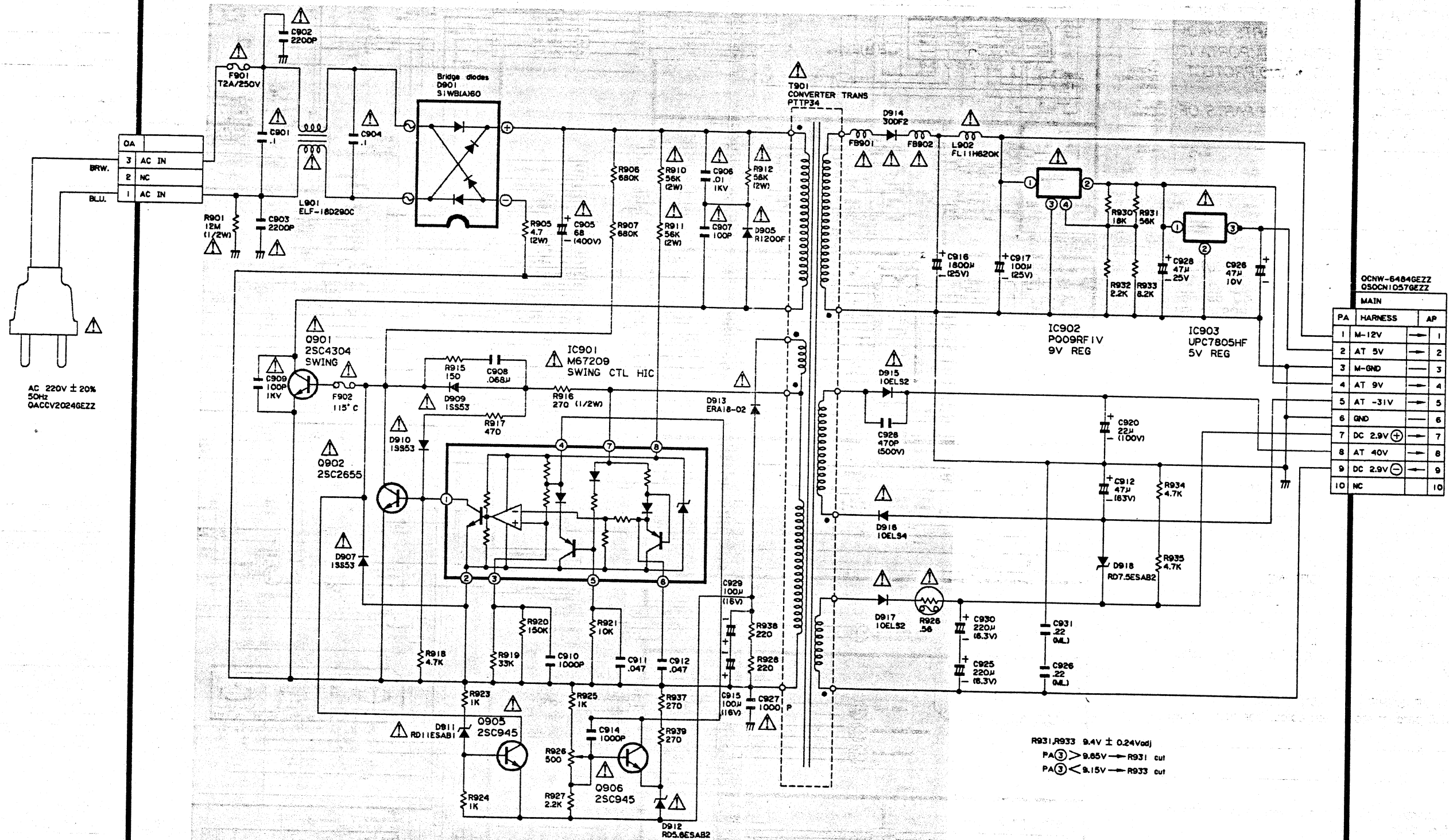
QPLGND05796EZZ	
1	— GND
2	→ V-HEAD
3	← V-HEAD
4	→ V-HEAD
5	— GND

The circuit includes three vertical components (likely capacitors or inductors) connected to the ground lines (1 and 5) and the V-HEAD lines (2, 3, and 4). These components are connected to a central point that branches out to a rotary transducer. The rotary transducer is labeled "ROTARY TRANS" and has two output terminals, "L 2-A" and "R 1-A", which are connected to the video head. The video head is labeled "VIDEO HEAD RHEDV0017GEZZ".



980CA-3V

POWER CIRCUIT



VC-A30BP

IMPORTANT SAFETY NOTICE:

BE SURE TO USE GENUINE PARTS FOR SECURING THE SAFETY AND RELIABILITY OF THE SET. PARTS MARKED WITH " " AND PARTS SHAD-ED (IN BLACK) ARE ESPECIALLY IMPORTANT FOR MAINTAINING THE SAFETY AND PROTECT-ING ABILITY OF THE SET.

BE SURE TO REPLACE THEM WITH PARTS OF SPECIFIED PART NUMBER.

SAFETY NOTES:

1. DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
2. SEMICONDUCTOR HEAT SINKS SHOULD BE RE-GARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

NOTES:

1. The unit of resistance "ohm" is omitted ($k = 1000 \text{ ohm}$, $M = 1 \text{ Meg ohm}$).
2. All resistors are 1/8 watt, unless otherwise noted.
3. The unit of capacitance "F" is omitted ($\mu = \mu F$, $p = pF$).
4. The values in parentheses are the ones in the PB mode; the values without parentheses are the ones in the REC mode.

VOLTAGE MEASUREMENT CONDITIONS:

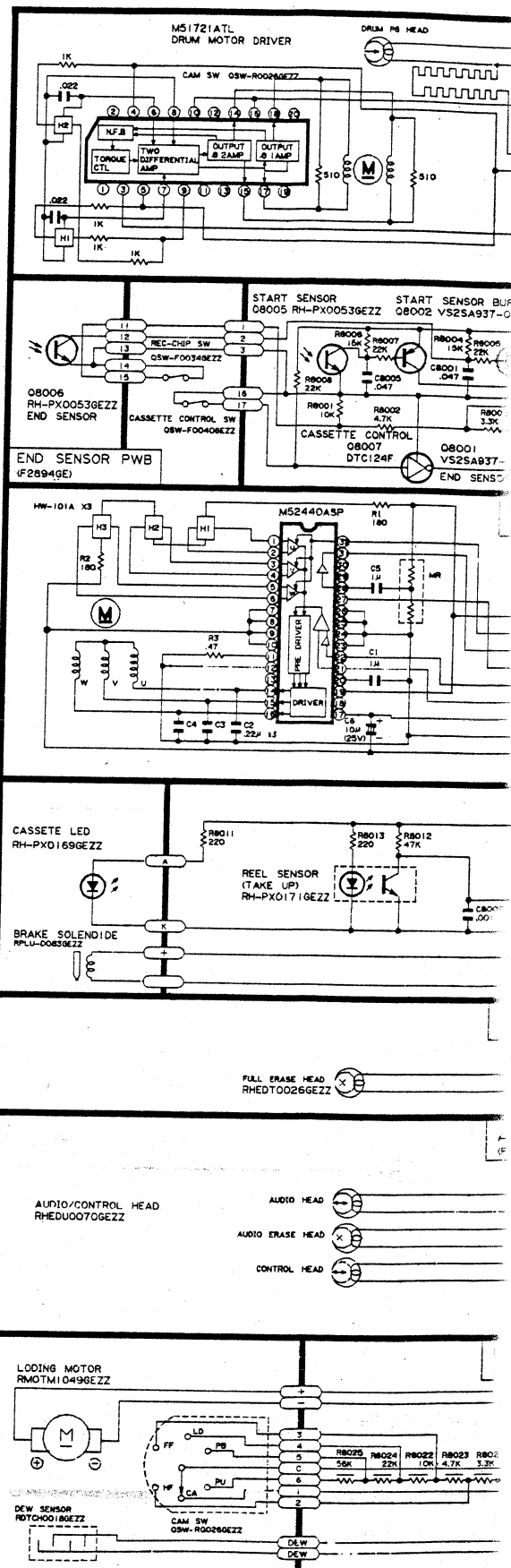
1. DC voltages are measured between points indicated and chassis ground by VTVM, with AC100V~240V, 50/60Hz supplied to unit and all controls are set to normal viewing picture unless otherwise noted.
2. Voltages are measured with 10000 μV B & W or colour signal.

WAVEFORM MEASUREMENT CONDITIONS:

10000 μV 87.5 percent modulated colour bar signal is fed into tuner:

CAUTION:

This circuit diagram is original one. Therefore there may be a slight difference from yours.



BOBP

...TS FOR SECUR-
...ITY OF THE SET.
...D PARTS SHAD-
...LY IMPORTANT
...AND PROTECT-
... WITH PARTS OF

...M THE AC OUTLET
... SHOULD BE RE-
... K HAZARDS WHEN

...itted ($k = 1000 \text{ ohm}$,
... otherwise noted.
...ed ($\mu = \mu F$, $\rho = \mu \mu F$).
...ones in the PB mode;
... the ones in the REC

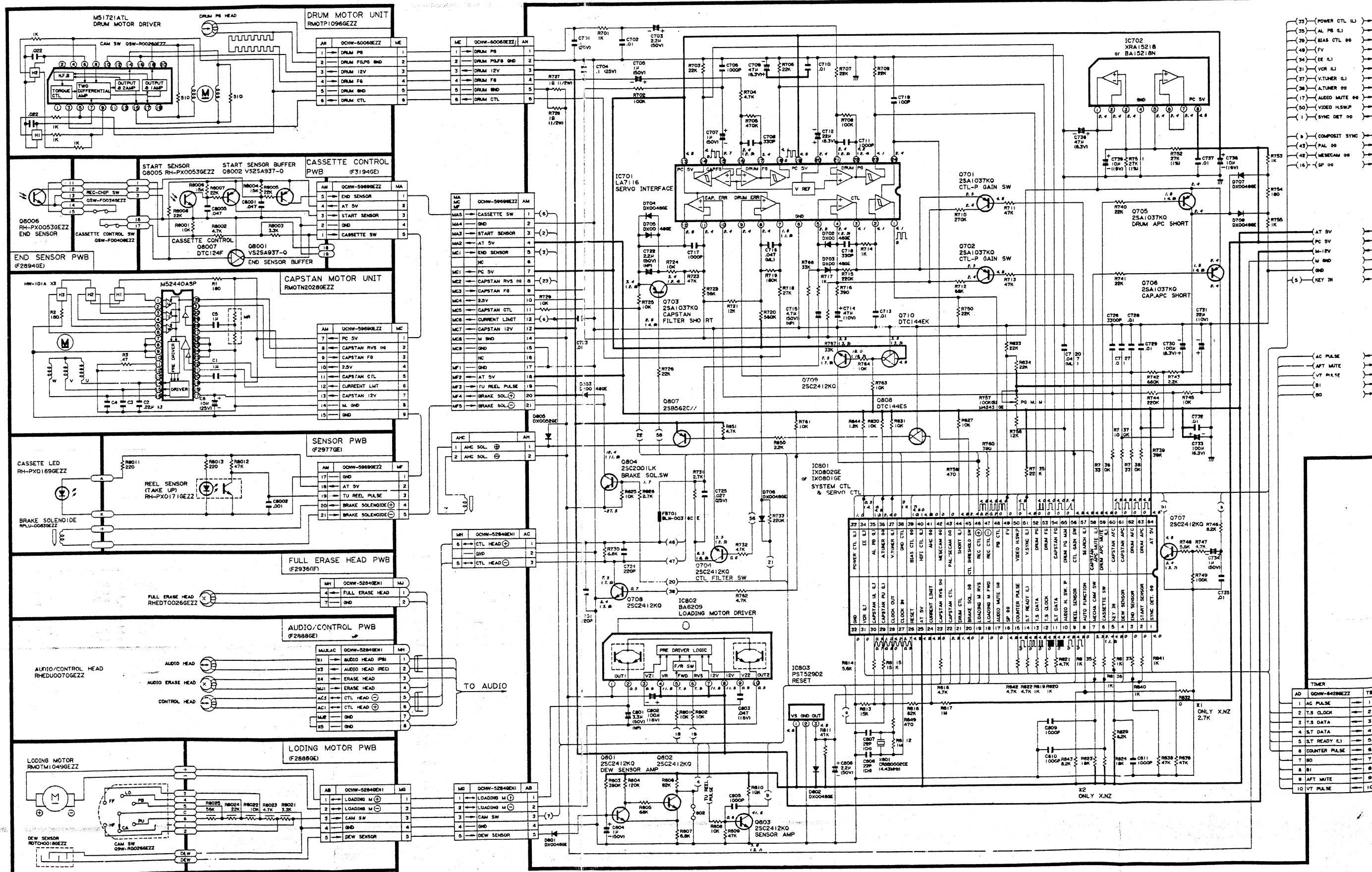
...ONS:
... points indicated and
... 100V~240V, 50/60Hz
... set to normal viewing

... $0 \mu V$ B & W or colour

...ITIONS:
... colour ber signal is fed

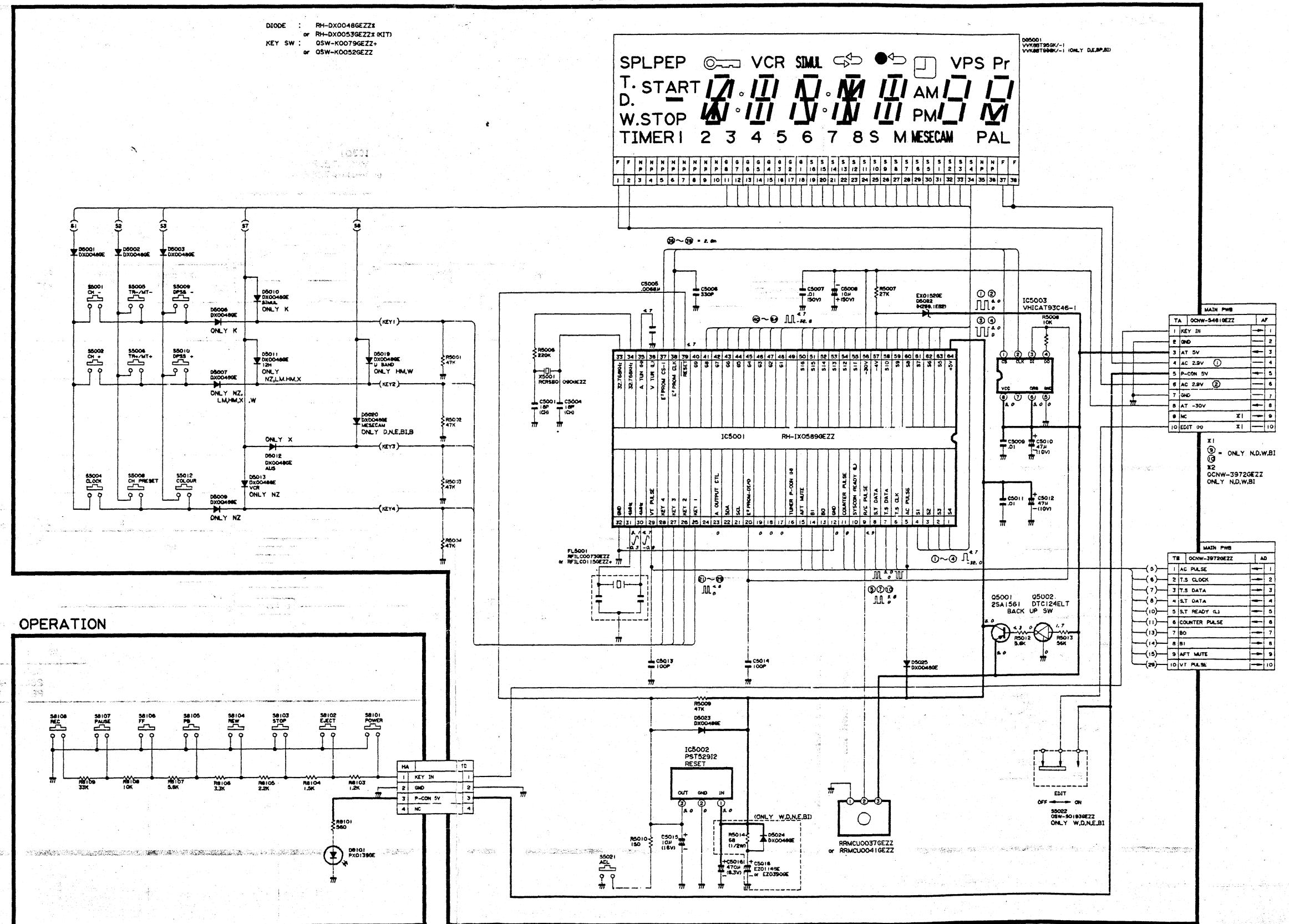
... therefore there may be

MAIN CIRCUIT (1)

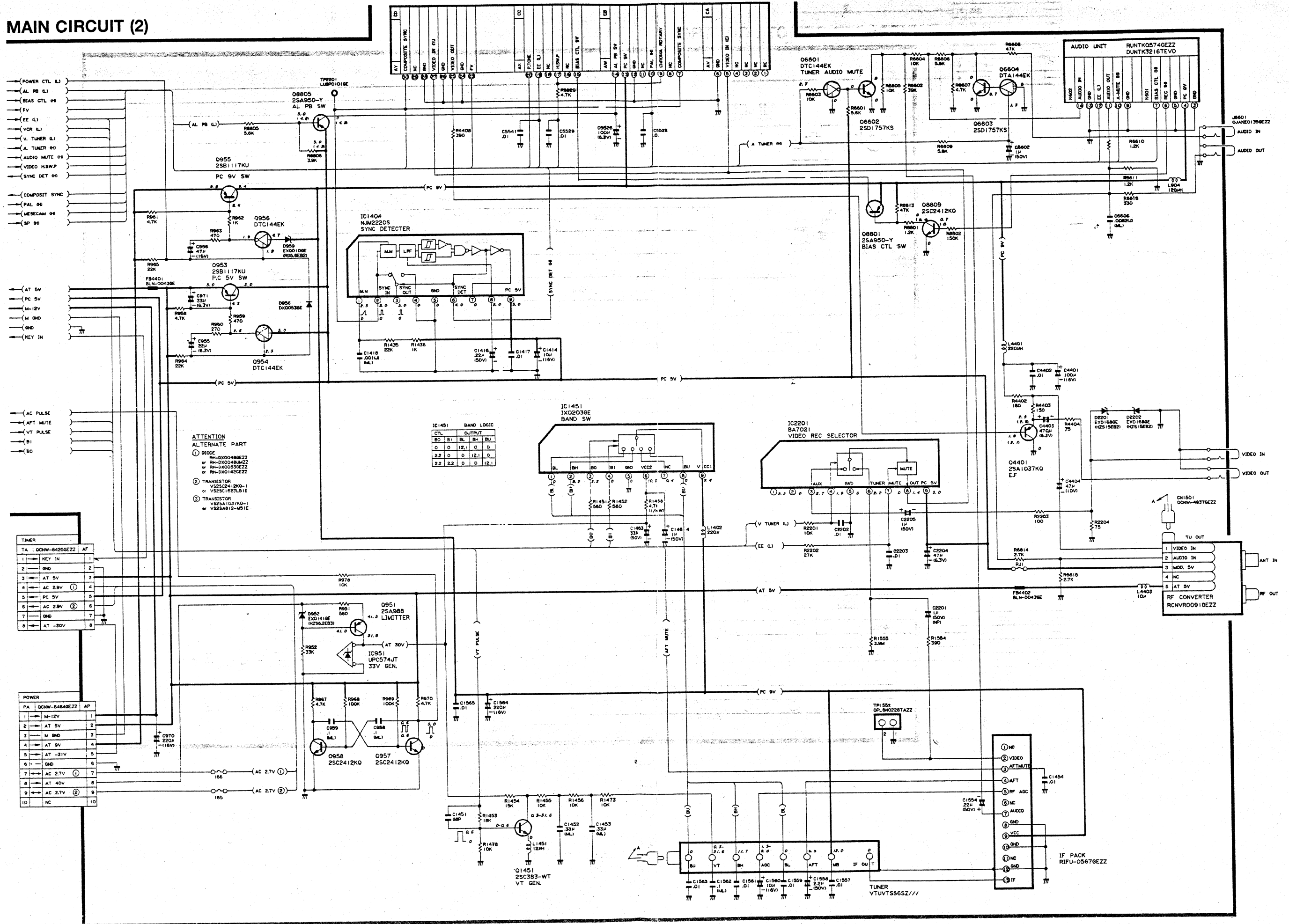


AD	Q80W-4428GEZZ	TB
1	AC PLASE	1
2	T.S. CLOCK	2
3	T.S. DATA	3
4	S.T. DATA	4
5	S.T. READY	5
6	COUNTER PLASE	6
7	BO	7
8	BI	8
9	AFT MUTE	9
10	VT PLASE	10

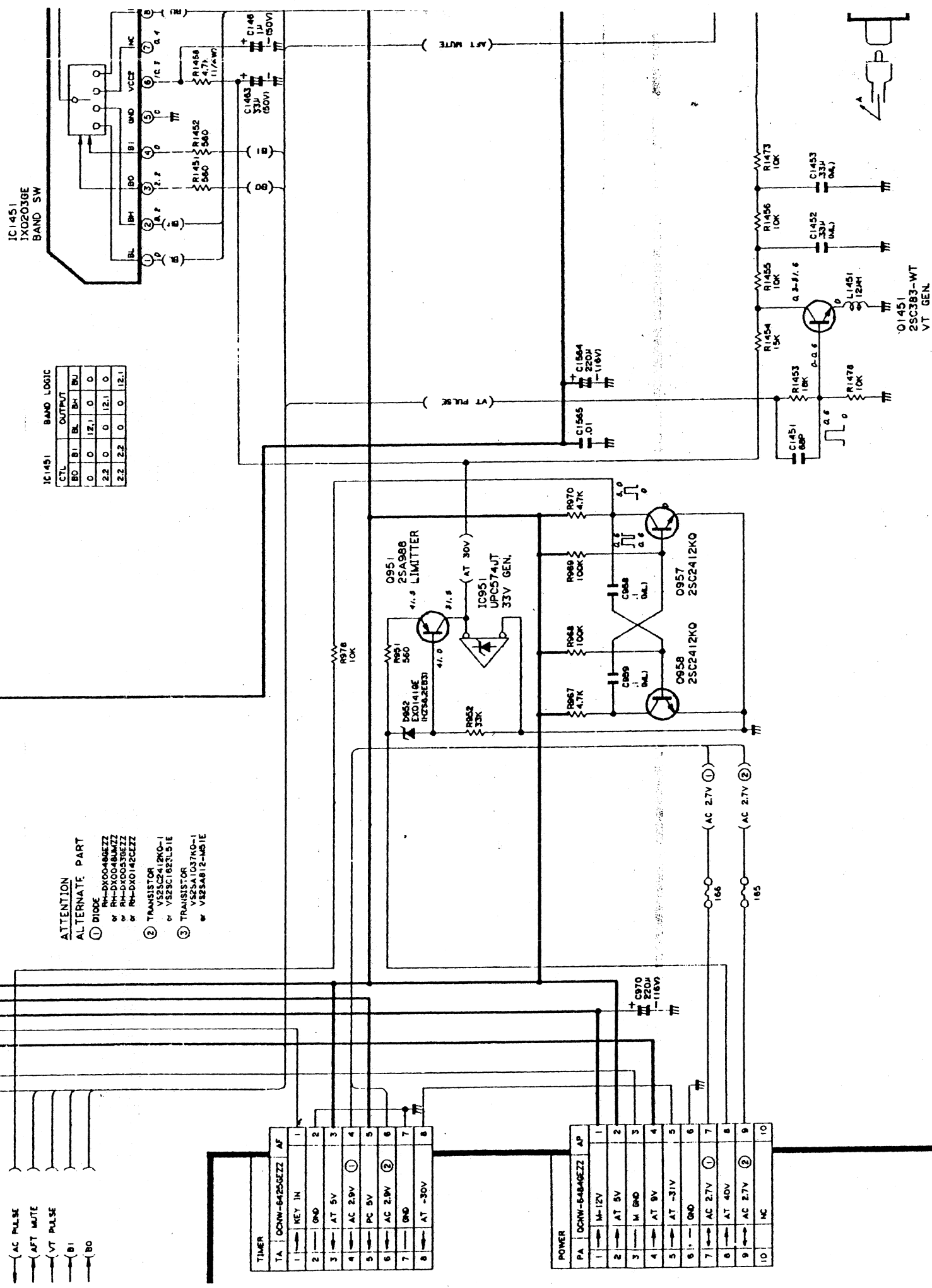
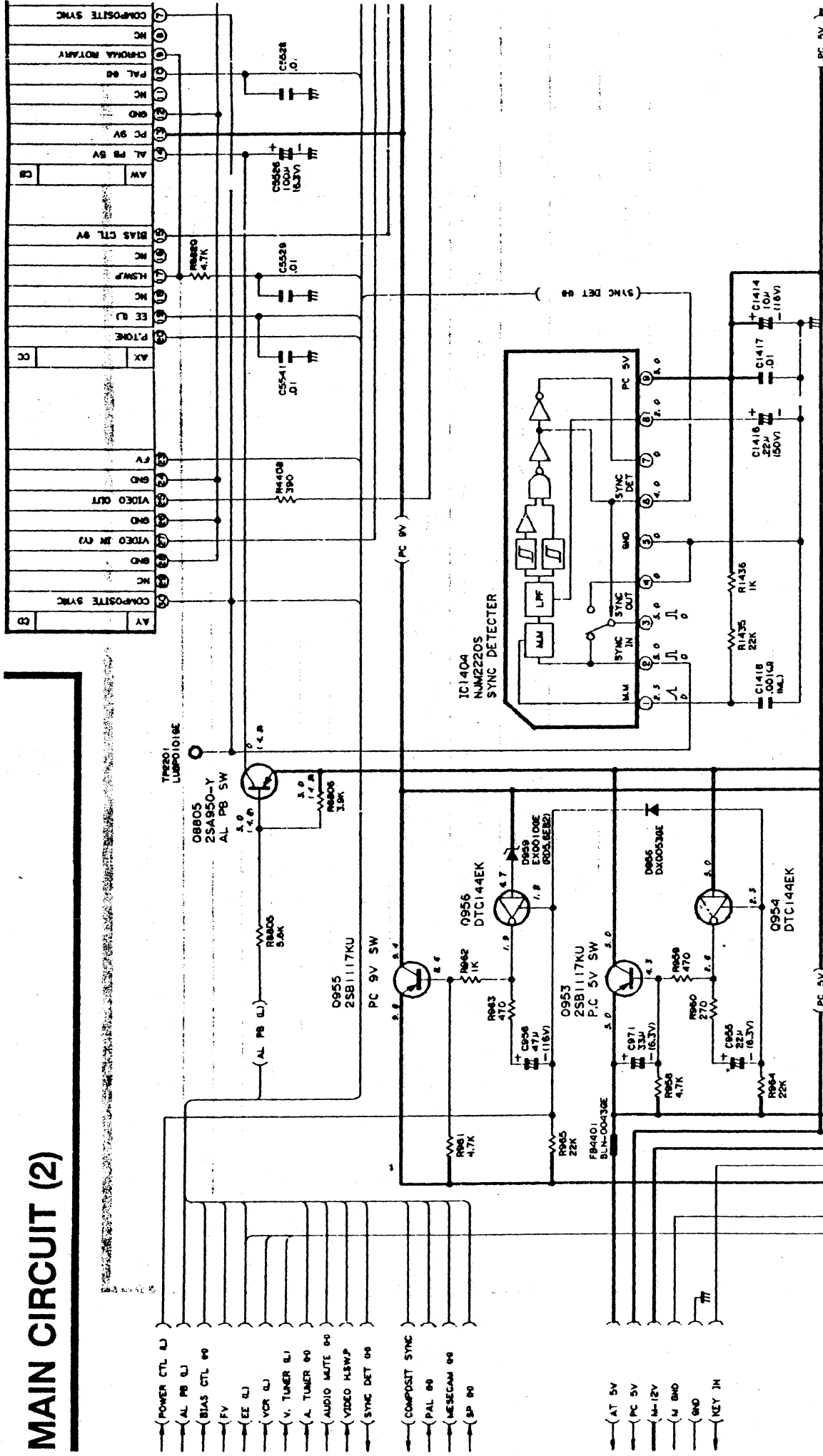
TIMER



MAIN CIRCUIT (2)



MAIN CIRCUIT (2)



IC1451 BAND LOGIC

CTL	OUTPAT	BD	BI	BL	BU
0	0	12	1	0	0
2	2	0	0	12	1
2	2	2	2	0	12

- ATTENTION
ALTERNATE PART
- DIODE
 * RH-DX00486EZZ
 * RH-DX00486MZZ
 * RH-DX00536EZZ
 * RH-DX0142EZZ
 - TRANSISTOR
 * V525C2412K0-1
 * V525C162T51E
 - TRANSISTOR
 * V525A1037K0-1
 * V525A812-M51E

TIMER

TA	CONN-6425-6EZZ	AF
1	KEY IN	1
2	KEY IN	2
3	KEY IN	3
4	KEY IN	4
5	KEY IN	5
6	KEY IN	6
7	KEY IN	7
8	KEY IN	8

POWER

PA	CONN-6425-6EZZ	AF
1	KEY IN	1
2	KEY IN	2
3	KEY IN	3
4	KEY IN	4
5	KEY IN	5
6	KEY IN	6
7	KEY IN	7
8	KEY IN	8
9	KEY IN	9
10	KEY IN	10

Y/C CIRCUIT

